

SEQUENCE LISTING

7, 1190  
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Pace, Ann M.

<120> Interleukin-1 Hy2 Materials and Methods

<130> 28110/36479

<140>

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<150> US 09/522,964

<151> 2000-03-10

<150> US 09/316,086

<151> 1999-03-20

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<170> PatentIn Ver. 2.0

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<213> Homo sapiens

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Cys Ser Leu Pro Met Ala Arg Tyr Tyr Ile Ile Lys Tyr Ala Asp Gln  
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aag gct cta tac aca aga gat ggc cag ctg ctg gtg gga gat cct gtt 152  
Lys Ala Leu Tyr Thr Arg Asp Gly Gln Leu Leu Val Gly Asp Pro Val  
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Ala Asp Asn Cys Cys Ala Glu Lys Ile Cys Thr Leu Pro Asn Arg Gly  
35 40 45

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Leu Asp Arg Thr Lys Val Pro Ile Phe Leu Gly Ile Gln Gly Gly Ser  
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cgc tgc ctg gca tgt gtg gag aca gaa gag ggg cct tcc cta cag ctg 296  
Arg Cys Leu Ala Cys Val Glu Thr Glu Glu Gly Pro Ser Leu Gln Leu  
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gag gat gtg aac att gag gaa ctg tac aaa ggt ggt gaa gag gcc aca 344  
Glu Asp Val Asn Ile Glu Glu Leu Tyr Lys Gly Gly Glu Glu Ala Thr  
85 90 95

cgc ttc acc ttc ttc cag agc agc tca ggc tcc gcc ttc agg ctt gag 392

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Arg Phe Thr Phe Phe Gln Ser Ser Ser Gly Ser Ala Phe Arg Leu Glu

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Ala Ala Ala Trp Pro Gly Trp Phe Leu Cys Gly Pro Ala Glu Pro Gln

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Gln Pro Val Gln Leu Thr Lys Glu Ser Glu Pro Ser Ala Arg Thr Lys

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ttt tac ttt gaa cag agc tgg tag ggagacagga aactgcgttt tagccttggtg 542

Phe Tyr Phe Glu Gln Ser Trp

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998

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121

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30

Val Ala Asp Asn Cys Cys Ala Glu Lys Ile Cys Thr Leu Pro Asn Arg

35

40

45

Gly Leu Asp Arg Thr Lys Val Pro Ile Phe Leu Gly Ile Gln Gly Gly

50

55

60

Ser Arg Cys Leu Ala Cys Val Glu Thr Glu Glu Gly Pro Ser Leu Gln

65

70

75

80

Leu Glu Asp Val Asn Ile Glu Glu Leu Tyr Lys Gly Gly Glu Glu Ala

85

90

95

Thr Arg Phe Thr Phe Phe Gln Ser Ser Ser Gly Ser Ala Phe Arg Leu

100

105

110

Glu Ala Ala Ala Trp Pro Gly Trp Phe Leu Cys Gly Pro Ala Glu Pro

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Gln Gln Pro Val Gln Leu Thr Lys Glu Ser Glu Pro Ser Ala Arg Thr

122



Lys Phe Tyr Phe Glu Gln Ser Trp

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gca gga atg tgt tcc ctc ccc atg gca aga tac tac ata att aaa tat 95

Ala Gly Met Cys Ser Leu Pro Met Ala Arg Tyr Tyr Ile Ile Lys Tyr

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gca gac cag aag gct cta tac aca aga gat ggc cag ctg ctg gtg gga 143

Ala Asp Gln Lys Ala Leu Tyr Thr Arg Asp Gly Gln Leu Leu Val Gly

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gat cct gtt gca gac aac tgc tgt gca gag aag atc tgc aca ctt cct 191

Asp Pro Val Ala Asp Asn Cys Cys Ala Glu Lys Ile Cys Thr Leu Pro

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55

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124

aac aga ggc ttg gac cgc acc aag gtc ccc att ttc ctg ggg atc cag 239  
Asn Arg Gly Leu Asp Arg Thr Lys Val Pro Ile Phe Leu Gly Ile Gln

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cta cag ctg gag gat gtg aac att gag gaa ctg tac aaa ggt ggt gaa 335  
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115

120

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Arg Leu Glu Ala Ala Ala Trp Pro Gly Trp Phe Leu Cys Gly Pro Ala

130

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gag ccc cag cag cca gta cag ctc acc aag gag agt gag ccc tca gcc 479  
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Arg Thr Lys Phe Tyr Phe Glu Gln Ser Trp

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165

170

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125

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<212> PRT

<213> Homo sapiens

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Asp Gln Lys Ala Leu Tyr Thr Arg Asp Gly Gln Leu Leu Val Gly Asp

35 40 45

Pro Val Ala Asp Asn Cys Cys Ala Glu Lys Ile Cys Thr Leu Pro Asn

50 55 60

126



Arg Gly Leu Asp Arg Thr Lys Val Pro Ile Phe Leu Gly Ile Gln Gly  
65 70 75 80

Gly Ser Arg Cys Leu Ala Cys Val Glu Thr Glu Glu Gly Pro Ser Leu  
85 90 95

Gln Leu Glu Asp Val Asn Ile Glu Glu Leu Tyr Lys Gly Gly Glu Glu  
100 105 110

Ala Thr Arg Phe Thr Phe Phe Gln Ser Ser Ser Gly Ser Ala Phe Arg  
115 120 125

Leu Glu Ala Ala Ala Trp Pro Gly Trp Phe Leu Cys Gly Pro Ala Glu  
130 135 140

Pro Gln Gln Pro Val Gln Leu Thr Lys Glu Ser Glu Pro Ser Ala Arg  
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Thr Lys Phe Tyr Phe Glu Gln Ser Trp  
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<212> PRT

<213> Homo sapiens

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127

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20 25 30

Ala Gly Lys Val Ile Lys Gly Glu Glu Ile Ser Val Val Pro Asn Arg  
35 40 45

Trp Leu Asp Ala Ser Leu Ser Pro Val Ile Leu Gly Val Gln Gly Gly  
50 55 60

Ser Gln Cys Leu Ser Cys Gly Val Gly Gln Glu Pro Thr Leu Thr Leu  
65 70 75 80

Glu Pro Val Asn Ile Met Glu Leu Tyr Leu Gly Ala Lys Glu Ser Lys  
85 90 95

Ser Phe Thr Phe Tyr Arg Arg Asp Met Gly Leu Thr Ser Ser Phe Glu  
100 105 110

Ser Ala Ala Tyr Pro Gly Trp Phe Leu Cys Thr Val Pro Glu Ala Asp  
115 120 125

Gln Pro Val Arg Leu Thr Gln Leu Pro Glu Asn Gly Gly Trp Asn Ala  
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Pro Ile Thr Asp Phe Tyr Phe Gln Gln Cys Asp  
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<212> PRT

128

<213> Rattus rattus

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Pro Cys Lys Met Gln Ala Phe Arg Ile Trp Asp Thr Asn Gln Lys Thr  
35 40 45

Phe Tyr Leu Arg Asn Asn Gln Leu Ile Ala Gly Tyr Leu Gln Gly Pro  
50 55 60

Asn Thr Lys Leu Glu Glu Lys Ile Asp Met Val Pro Ile Asp Phe Arg  
65 70 75 80

Asn Val Phe Leu Gly Ile His Gly Gly Lys Leu Cys Leu Ser Cys Val  
85 90 95

Lys Ser Gly Asp Asp Thr Lys Leu Gln Leu Glu Glu Val Asn Ile Thr  
100 105 110

Asp Leu Asn Lys Asn Lys Glu Glu Asp Lys Arg Phe Thr Phe Ile Arg  
115 120 125

Ser Glu Thr Gly Pro Thr Thr Ser Phe Glu Ser Leu Ala Cys Pro Gly  
130 135 140

Trp Phe Leu Cys Thr Thr Leu Glu Ala Asp His Pro Val Ser Leu Thr  
145 150 155 160

129

Asn Thr Pro Lys Glu Pro Cys Thr Val Thr Lys Phe Tyr Phe Gln Glu  
165 170 175

Asp Gln

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<213> Sus scrofa

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20 25 30

Cys Arg Met Gln Ala Phe Arg Ile Trp Asp Val Asn Gln Lys Thr Phe  
35 40 45

Tyr Leu Arg Asn Asn Gln Leu Val Ala Gly Tyr Leu Gln Gly Pro Asn  
50 55 60

Thr Lys Leu Glu Glu Lys Ile Asp Val Val Pro Val Glu Pro His Phe  
65 70 75 80

Val Phe Leu Gly Ile His Gly Gly Lys Leu Cys Leu Ser Cys Val Lys  
85 90 95

130

Ser Gly Asp Glu Met Lys Leu Gln Leu Asp Ala Val Asn Ile Thr Asp  
100 105 110

Leu Arg Lys Asn Ser Glu Gln Asp Lys Arg Phe Thr Phe Ile Arg Ser  
115 120 125

Asp Ser Gly Pro Thr Thr Ser Phe Glu Ser Ala Ala Cys Pro Gly Trp  
130 135 140

Phe Leu Cys Thr Ala Leu Glu Ala Asp Gln Pro Val Gly Leu Thr Asn  
145 150 155 160

Thr Pro Lys Ala Ala Val Lys Val Thr Lys Phe Tyr Phe Gln Gln Asp  
165 170 175

Gln

<210> 8

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<212> PRT

<213> Homo sapiens

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Phe Leu Phe His Ser Glu Thr Ile Cys Arg Pro Ser Gly Arg Lys Ser  
20 25 30

131

Ser Lys Met Gln Ala Phe Arg Ile Trp Asp Val Asn Gln Lys Thr Phe  
35 40 45

Tyr Leu Arg Asn Asn Gln Leu Val Ala Gly Tyr Leu Gln Gly Pro Asn  
50 55 60

Val Asn Leu Glu Glu Lys Ile Asp Val Val Pro Ile Glu Pro His Ala  
65 70 75 80

Leu Phe Leu Gly Ile His Gly Gly Lys Met Cys Leu Ser Cys Val Lys  
85 90 95

Ser Gly Asp Glu Thr Arg Leu Gln Leu Glu Ala Val Asn Ile Thr Asp  
100 105 110

Leu Ser Glu Asn Arg Lys Gln Asp Lys Arg Phe Ala Phe Ile Arg Ser  
115 120 125

Asp Ser Gly Pro Thr Thr Ser Phe Glu Ser Ala Ala Cys Pro Gly Trp  
130 135 140

Phe Leu Cys Thr Ala Met Glu Ala Asp Gln Pro Val Ser Leu Thr Asn  
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Met Pro Asp Glu Gly Val Met Val Thr Lys Phe Tyr Phe Gln Glu Asp  
165 170 175

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<210> 9

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<211> 159

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<213> Homo sapiens

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20 25 30

Arg Asn Asn Gln Leu Val Ala Gly Tyr Leu Gln Gly Pro Asn Val Asn  
35 40 45

Leu Glu Glu Lys Ile Asp Val Val Pro Ile Glu Pro His Ala Leu Phe  
50 55 60

Leu Gly Ile His Gly Gly Lys Met Cys Leu Ser Cys Val Lys Ser Gly  
65 70 75 80

Asp Glu Thr Arg Leu Gln Leu Glu Ala Val Asn Ile Thr Asp Leu Ser  
85 90 95

Glu Asn Arg Lys Gln Asp Lys Arg Phe Ala Phe Ile Arg Ser Asp Ser  
100 105 110

Gly Pro Thr Thr Ser Phe Glu Ser Ala Ala Cys Pro Gly Trp Phe Leu  
115 120 125

Cys Thr Ala Met Glu Ala Asp Gln Pro Val Ser Leu Thr Asn Met Pro  
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133

Asp Glu Gly Val Met Val Thr Lys Phe Tyr Phe Gln Glu Asp Glu  
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<212> DNA

<213> Artificial Sequence

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<223> Description of Artificial Sequence:primer

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<210> 11

<211> 22

<212> DNA

<213> Artificial Sequence

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<223> Description of Artificial Sequence:primer

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<210> 12

<211> 1366

<212> DNA

<213> Homo sapiens

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<212> PRT

<213> Homo sapiens

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Pro Ser Leu Leu Pro Ile Ser Glu Asp Gln Thr Pro Leu Ile Ala Gly  
35 40 45

Met Cys Ser Leu Pro Met Ala Arg Tyr Tyr Ile Ile Lys Tyr Ala Asp  
50 55 60

Gln Lys Ala Leu Tyr Thr Arg Asp Gly Gln Leu Leu Val Gly Asp Pro  
65 70 75 80

Val Ala Asp Asn Cys Cys Ala Glu Lys Ile Cys Thr Leu Pro Asn Arg  
85 90 95

Gly Leu Asp Arg Thr Lys Val Pro Ile Phe Leu Gly Ile Gln Gly Gly  
100 105 110

Ser Arg Cys Leu Ala Cys Val Glu Thr Glu Glu Gly Pro Ser Leu Gln  
115 120 125

Leu Glu Asp Val Asn Ile Glu Glu Leu Tyr Lys Gly Gly Glu Glu Ala  
130 135 140

Thr Arg Phe Thr Phe Phe Gln Ser Ser Ser Gly Ser Ala Phe Arg Leu  
145 150 155 160

Glu Ala Ala Ala Trp Pro Gly Trp Phe Leu Cys Gly Pro Ala Glu Pro  
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136

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Lys Phe Tyr Phe Glu Gln Ser Trp

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<212> DNA

<213> Homo sapiens

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137

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<212> DNA

<213> Homo sapiens

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<211> 4388

<212> DNA

<213> Mouse

<400> 16

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141

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<213> Mouse

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Ser Cys Cys Leu Ala Cys Val Lys Thr Arg Glu Gly Pro Leu Leu Gln

65 70 75 80

Leu Glu Asp Val Asn Ile Glu Asp Leu Tyr Lys Gly Gly Glu Gln Thr

144

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